

Contents of Volume 182

Vol. 182 Nos. 1–3

The shear sensitivity of activated sludge: Relations to filterability, rheology and surface chemistry L.H. Mikkelsen (Aalborg, Denmark)	1
Solubilization of stratum corneum lipid liposomes by Triton X-100. Influence of the level of cholesteryl sulfate in the process M. Cócera, O. López, L. Coderch, J.L. Parra and A. de la Maza (Barcelona, Spain).	15
Ultra-low dosage flocculation of alumina using polyacrylic acid K.K. Das and P. Somasundaran (New York, USA; Pune, India)	25
Effect of liposomes on delipidized stratum corneum structure: an 'in vitro' study based on high resolution low temperature scanning electron microscopy O. López, M. Cócera (Barcelona, Spain), P. Walther, E. Wehrli (Zurich, Switzerland), L. Coderch, J. Luis Parra and A. de la Maza (Barcelona, Spain).	35
Effect of interfacial properties on the drop size distribution of high internal phase ratio emulsions S. Peker, K. Bora and Y. Över (İzmir, Turkey).	43
Hydrolysis characteristic of polyferric sulfate coagulant and its optimal condition of preparation W.P. Cheng (Miaoli, Taiwan)	57
Effect of silane coupling agents on properties of precipitated sodium–aluminium silicates A. Krysztafkiwicz, R. Werner, L.K. Lipska and T. Jesionowski (Poznan, Poland)	65
Interaction between colloidal silica and a nonionic surfactant hexagonal liquid crystalline phase B.R. Midmore (Reading, UK).	83
Rheological behavior of electrorheological fluids: effect of the dielectric properties of liquid phase L. Rejon, I. Castañeda-Aranda (Cuernavaca, Mexico) and O. Manero (Mexico, Mexico)	93
An energy balance approach to modeling the hydrodynamically driven spreading of a liquid drop D. Erickson, B. Blackmore and D. Li (Toronto, Canada).	109
Preparation of PLGA nanoparticles containing estrogen by emulsification–diffusion method H.-Y. Kwon, J.-Y. Lee, S.-W. Choi, Y. Jang and J.-H. Kim (Seoul, South Korea)	123
Surface properties of red mud particles from potentiometric titration D. Chvedov, S. Ostap (Kingston, Canada) and T. Le (Waterloo, Canada)	131
Interaction of sodium silicate with zirconia and its consequences for polysialation J.W. Phair, J.S.J. Van Deventer and J.D. Smith (Melbourne, Australia)	143
Zinc ion-promoted adsorption of lysozyme to Cibacron Blue F3GA-attached microporous polyamide hollow-fiber membranes S. Şenel (Ankara, Turkey), R. Say (Eskişehir, Turkey), Y. Arica (Kırıkkale, Turkey) and A. Denizli (Ankara, Turkey)	161
Properties of the lignosulfonate–surfactant complex phase K.M. Askvik, S. Hetlesæther (Bergen, Norway), J. Sjöblom (Trondheim, Norway) and P. Stenius (HUT, Finland)	175
Adsorption of cyanuric chloride-activated polyethylene glycol on liposomes J. Boada, M. Gallardo, M.A. Alsina and J. Estelrich (Barcelona, Spain)	191
Langmuir surface and interface films of lignosulfonates and Kraft lignins in the presence of electrolyte and asphaltenes: correlation to emulsion stability S.A. Gundersen, M.-H. Eise (Bergen, Norway) and J. Sjöblom (Trondheim, Norway).	199
Fractal approach of adsorption from liquid mixtures on silica gel P. Podkościelny, A. Dąbrowski and R. Lebeda (Lublin, Poland).	219
Self-motion of a camphoric acid boat as a function of pH of aqueous solutions S. Nakata, Y. Hayashima (Nara, Japan) and T. Ishii (Yokohama, Japan)	231
Preparation of colloidal gold multilayers with 3-(mercaptopropyl)-trimethoxysilane as a linker molecule J.-Y. Tseng, M.-H. Lin and L.-K. Chau (Chia-Yi, Taiwan, ROC)	239
The interaction of phospholipid liposomes with zinc citrate particles: a microcalorimetric investigation M.J. Scott and M.N. Jones (Manchester, UK)	247
ζ-Potentials of planar silicon plates covered with alkyl- and fluoroalkylsilane self-assembled monolayers A. Hozumi, H. Sugimura, Y. Yokogawa, T. Kameyama and O. Takai (Nagoya, Japan).	257

Effects of Gum Arabic macromolecules on surface forces in oxide dispersions Y.K. Leong (Townsville, Australia), U. Seah, S.Y. Chu and B.C. Ong (Singapore, Singapore)	263
A CIDEF study of photolyzed anthraquinone radicals in aqueous micellar solutions and microemulsions G. Li, J. Mu, X. Li (Jinan, People's Republic of China), T. Lu and W. Sun (Wuhu, People's Republic of China). . .	269
Convective self-assembly of stoeber sphere arrays for syntactic interlayer dielectrics M. Bunzendahl, P. Lee-Van Schaick, J.F.T. Conroy, C.E. Daitch and P.M. Norris (Charlottesville, VA, USA).	275
The production of stable hydrophobic surfaces by the adsorption of hydrocarbon and fluorocarbon carboxylic acids onto alumina substrates M.E. Karaman, D.A. Antelmi and R.M. Pashley (Canberra, Australia).	285
Interparticle force between like-charged colloidal systems: a numerical study T. Terao and T. Nakayama (Sapporo, Japan).	299
Combined effect of temperature and electrolyte on triton X-100 micellar diffusion I.D. Charlton and A.P. Doherty (Belfast, UK)	305
Study of the pH dependence of head group bonding in arachidic acid monolayers by polarization modulation infrared reflection absorption spectroscopy R. Johann, D. Vollhardt and H. Möhwald (Golm, Germany)	311
Regioselective nitration of phenols and anisols in microemulsion F. Currie, K. Holmberg and G. Westman (Gothenburg, Sweden)	321
Calendar	329
Author Index.	331
Subject Index.	333
Volume Contents	335